

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/519,860
				Filing Date	03/06/2000
				First Named Inventor	Darryl J. Bornhop et al.
				Art Unit	2877
				Examiner Name	
				Attorney Docket Number	TTU D-0213
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner's Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PJL		US- 5,867,266	02/02/1999	Craighead	_____
PJL		US- 5,740,291	04/14/1998	De Lasa et al.	_____
PJL		US- 5,770,029	06/23/1998	Nelson et al.	_____
PJL		US- 5,815,258	09/29/1998	Nakanishi	_____
PJL		US- 5,824,204	10/20/1998	Jerman	_____
PJL		US- 5,841,914	11/24/1998	Shieh et al.	_____
PJL		US- 5,852,495	12/22/1998	Parce	_____
PJL		US- 5,846,708	12/08/1998	Hollis et al.	_____
PJL		US- 5,633,708	05/27/1997	Svendsen	_____
PJL		US- 5,663,790	09/02/1997	Ekstrom et al.	_____
PJL		US- 5,694,210	12/02/1997	Newell et al.	_____
PJL		US- 5,325,170	06/28/1994	Bornhop	386 / 128
PJL		US- 5,215,883	06/01/1993	Chu	_____
PJL		US- 5,273,633	12/28/1993	Wang	_____
PJL		US- 5,108,179	04/28/1992	Myers	_____
PJL		US- 5,125,740	06/30/1992	Sato et al.	_____
PJL		US- 5,165,005	11/17/1992	Klainer et al.	_____
PJL		US- 5,173,747	12/22/1992	Boiarski et al.	_____
PJL		US- 5,073,024	12/17/1991	Valette et al.	_____
PJL		US- 4,908,112	03/13/1990	Pace	_____

[illegible]

Examiner Signature	PATRICK CONNELLY	Date Considered	11/06/2003
-----------------------	------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/519.860
				Filing Date	03/06/2000
				First Named Inventor	Darryl J. Bornhop et al.
				Art Unit	2877
				Examiner Name	
				Attorney Docket Number	TTU D-0213
Sheet	2	of	2		

[illegible][illegible]

Examiner Signature	<i>PATRICK CANNOLLY</i>	Date Considered	<i>10-06-2023</i>
-----------------------	-------------------------	--------------------	-------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/519,860
(use as many sheets as necessary)				Filing Date	03/06/2000
				First Named Inventor	Darryl J. Bornhop et al.
				Group Art Unit	2877
				Examiner Name	
				Attorney Docket Number	TTU D-0213
Sheet	1	of	1		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PJL		KELLY SWINNEY ET AL., "Micro-interferometric Backscatter Detection Using a Laser Diode," Analytica Chimica Acta, p. 265-280, (September 22, 1999).	
PJL		KELLY SWINNEY ET AL., "Ion Analysis Using Capillary Electrophoresis with Refractive Index Detection," Microchemical Journal, p. 154-163, (September 22, 1999).	
PJL		YOLANDA FINTSCHENKO ET AL., "Silicon Microtechnology and Microstructures in Separation Science," Journal of Chromatography, Vol. A (No. 819), p. 3-12, (September 22, 1998).	
PJL		E.F. SCHIPPER ET AL., "The Waveguide Mach-Zender Interferometer as Atrazine Sensor," Analytical Chemistry 1998, p. 1192-1197, (March 15, 1998).	
PJL		YANZHUO DENG ET AL., "On-column Refractive-index Detection Based on Retroreflected Beam for Capillary Electrophoresis," Applied Optics, Vol. 37 (No. 6), p. 998-1005, (February 20, 1998).	
PJL		NORBERT BURGGRAFT ET AL., "Holographic Refractive Index Detector for Application in Microchip-based Separation Systems," Analyst, p. 1443-1447, (July 22, 1998).	
PJL		G.J. VELDHUIS ET AL., "Highly-sensitive Passive Integrated Optical Spiral-Shaped Waveguide Refractometer," Applied Physics Letters, Vol. 71 (No. 20), p. 2895-2897, (November 17, 1997).	
PJL		CHRISTOPHER K. KENMORE ET AL., "Refractive-index Detection by Interferometric Backscatter in Packed-capillary High-Performance Liquid Chromatography," Journal of Chromatography, Vol. A (No. 762), p. 219-225, (September 22, 1997).	
PJL		DARRYL J. BORNHOP ET AL., "Polarimetry in Capillary Dimensions," Analytical Chemistry, Vol. 68 (No. 10), p. 1677-1684, (May 15, 1996).	
PJL		DARRYL J. BORNHOP ET AL., "Microvolume Index of Refraction Determinations by Interferometric Backscatter," Applied Optics, Vol. 34 (No. 18), p. 3234-3239, (June 20, 1995).	
PJL		JOSEPH C. STCLAIRE, "Heat Index Flow Monitoring in Capillaries with Interferometric Backscatter Detection," Analytical Chemistry, Vol. 72 (No. 19), p. 4726-4730, (October 1, 2000).	

Examiner Signature PATRICK CONNOLLY	Date Considered 11-06-2003
--	-----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.